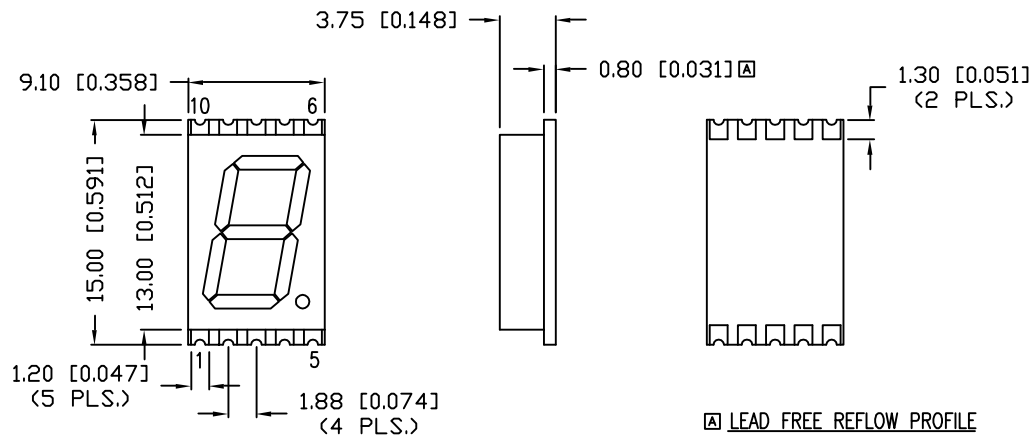
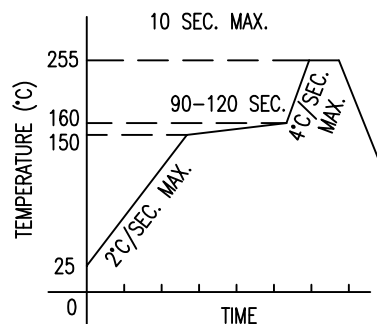


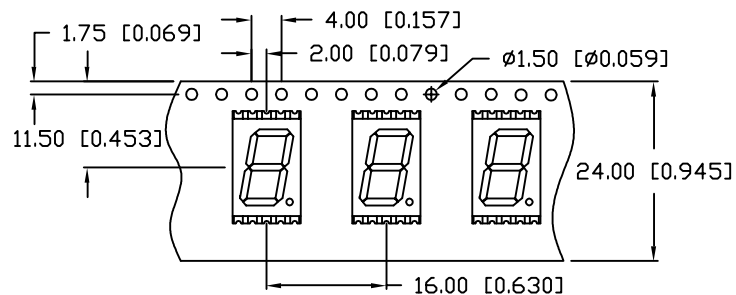
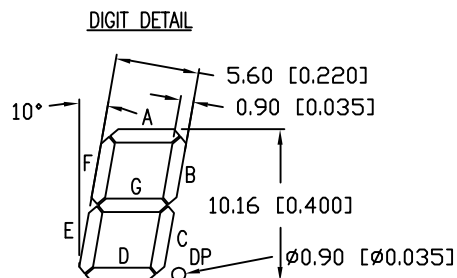
UNCONTROLLED DOCUMENT



A LEAD FREE REFLOW PROFILE

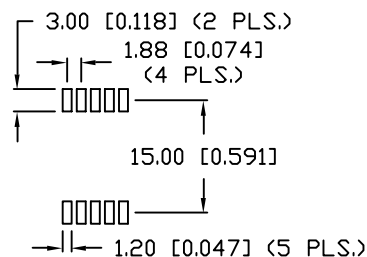


TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



TAPE FEED DIRECTION →

SOLDER PAD LAYOUT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

PART NUMBER
LDS-SMC4004RI-SITRREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11446.	9.27.07

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		13000		μcd	$I_f=10\text{mA}$
EMITTED COLOR:	RED				
FACE COLOR:	GRAY				
SEGMENT COLOR:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

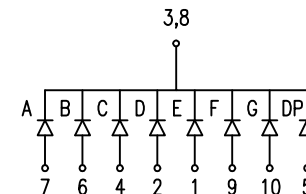
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	175	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	125	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

* $t < 10\mu\text{s}$

NOTES:

1. 800 PCS/REEL

POLARITY DIAGRAM



UNCONTROLLED DOCUMENT

REV.
APART NUMBER
LDS-SMC4004RI-SITR0.40" 7 SEGMENT DISPLAY, GRAY FACE,
636nm RED CHIPS, WHITE SEGMENTS, COMMON CATHODE.

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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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